



## 10 Watt - Low Cost Linear Eliminator PSC10A Wall Plug-In Adapters



### Features

- NEMA Plug In
- Zero Minimum Load
- 250 $\mu$ A Leakage
- Short Circuit Protected

### Applications

- Portable Instruments
- Palm Computers
- Peripherals
- Modems

### Safety Approvals

- cUL 1950

### Mechanical Characteristics

- Dimensions:
- Length: 74.2mm (2.92in)
  - Width: 49.3mm (1.94in)
  - Height: 34.4mm (1.35in)
  - Weight: 200gm (7oz)

### Output Specifications

| Model       | DC Output<br>Voltage | Load |       | Regulation<br>Line & Load |
|-------------|----------------------|------|-------|---------------------------|
|             |                      | Min. | Max.  |                           |
| PSC10A-050S | 5.0V                 | 0A   | 2.0A  | $\pm 5\%$                 |
| PSC10A-090S | 9.0V                 | 0A   | 1.1A  | $\pm 5\%$                 |
| PSC10A-120S | 12V                  | 0A   | 0.83A | $\pm 5\%$                 |
| PSC10A-150S | 15V                  | 0A   | 0.67A | $\pm 5\%$                 |
| PSC10A-240S | 24V                  | 0A   | 0.42A | $\pm 5\%$                 |

**INPUT:****AC Input Voltage**

90 to 132 VAC

**AC Input Frequency**

57 to 63Hz

**AC Input Current**

0.4Arms (115VAC)

**AC Inrush Current (Cold Start, 25°C)**

35A max. (115VAC)

**Efficiency**

70% typical

**OUTPUT:****Ripple (1)**

200mV P-P maximum

**Hold-up Time**

16ms Full load, 120VAC

**Overvoltage Protection**

115% Nominal

**Short Circuit Protection**

110% Nom., Auto Restart

**ENVIRONMENTAL:****Operation Temperature (Convection)**

0 to 40°C

**Storage Temperature**

-25 to +75°C

**Humidity**

5 to 80% RH (Non-condensing)

**Emissions**

FCC Class B

**Immunity**

IEC 1000-4-2, Level 3

IEC 1000-4-5, Level 3

**GENERAL:****Leakage Current**

0.25mA maximum (132VAC)

**Dielectric Withstand (Hipot)**

Input to Output

2000VAC, 1 min., 10mA

**MTBF (Full Load, 25°C)**

100K Hrs.

MIL-HDBK-217F

**AC Input Connector**

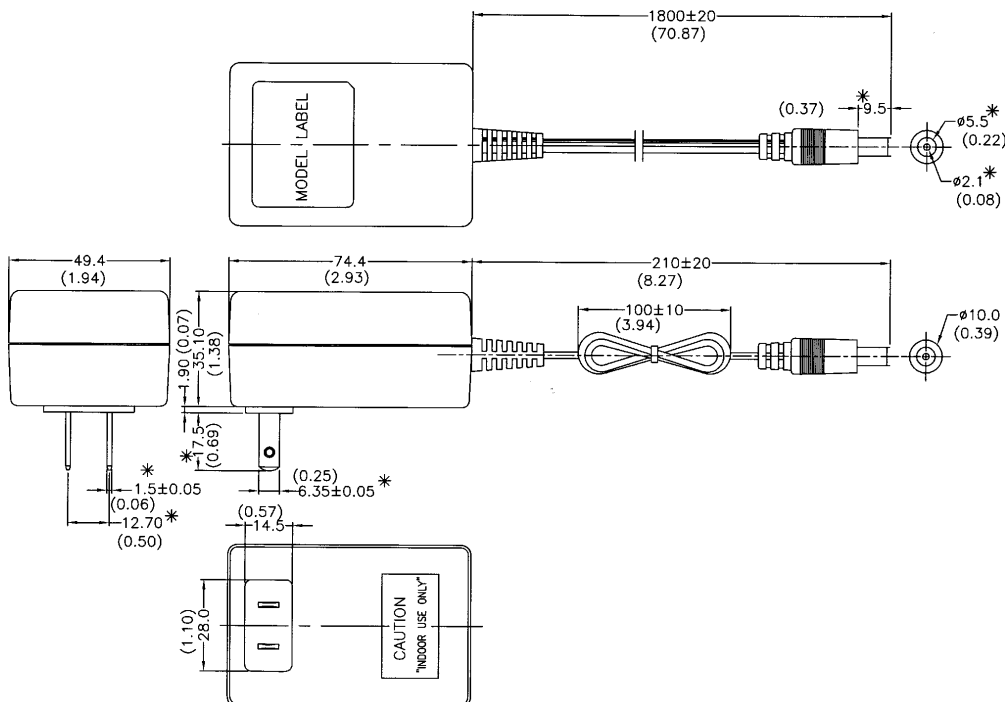
NEMA 15P

**DC Output Connector**

2.1mm x 5.5mm x 9.5mm Coaxial

Plug; Center Positive Standard

(1) Measured at full load by using a 12 inch twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel

**Dimension Diagram Unit: mm (inch)**

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